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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/010,616	11/08/2001	Paul A. Egli	LS/0024.00	6612

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EXAMINER

LIN, KELVIN Y

ART UNIT	PAPER NUMBER
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2142

DATE MAILED: 02/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/010,616	EGLI ET AL.	
	Examiner	Art Unit	
	Kelvin Lin	2142	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-82 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-82 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 November 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>4/6/04</u> . | 6) <input type="checkbox"/> Other: ____. |

Detailed Action

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

1. In Claims 37-38, the phrase "said digital objects" lacks sufficient antecedent basis.
2. The above noted problems are not necessarily an exhaustive listing, but are meant to be exemplary of the types of errors present. It is incumbent upon an applicant to ensure that any amendment filed resolves all deficiencies and places the claims in compliance with 35 USC 112.
3. Appropriate correction is required

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-19, 21, 24, 28-62, 64, 66, and 69-82 are rejected under 35 USC 102(e) as being anticipated by Kloba et al., (US Patent 6341316).
6. Regarding claim 1, Kloba teaches an online system, a method for determining the capabilities of client devices and supplying media content in a format suitable for such devices, the method comprising:
- receiving a request to provide a target device with a copy of a particular media object (Kloba, col.5, l.14-23);
 - determining capabilities of the target device (Kloba, col.5, l.16-17);
 - based on the capabilities of the target device, determining a format that is desired for providing the target device with a copy of the media object (Kloba, col.5, l.16.-17, Fig. 1W);
 - translating the particular media object into a copy having said determined format (Kloba, col.5, l.20); and
 - providing the target device with the copy having said determined

format (Kloba, col.5, l.21).

7. Regarding claim 2, Kloba further discloses the method of claim 1, further comprising storing the copy having said determined format in a cache memory (Kloba, col.14, l.65).
8. Regarding claim 3, Kloba further discloses the method of claim 2, further comprising: receiving from a target device a subsequent request for the particular object in the determined format; and providing the target device with the copy stored in said cache memory (Kloba, col.23, l.37-39).
9. Regarding claim 4, Kloba further discloses the method of claim 1, further comprising: obtaining a copy of said particular media object from a connected server for translation of said media object (Kloba, col.16, l.55-56, col.23, l.60-62, col. 35, l.25-26).
10. Regarding claim 5, Kloba further discloses the method of claim 4, further comprising:
 - storing in cache memory a cached copy of said media object received from said connected server (Kloba, col.14, l.64-65); and
 - in response to subsequent requests for translation of said media object, using the copy of said media object stored in cache memory (Kloba, col.15, l.38-40).
11. Regarding claim 6, Kloba further discloses the method of claim 1, wherein the capabilities of the target device include screen resolution (Kloba, col.24, l.23).

Art Unit: 2142

12. Regarding claim 7, Kloba further discloses the method of claim 1, wherein the capabilities of the target device include screen size (Kloba, col.24, l.8).
13. Regarding claim 8, Kloba further discloses the method of claim 1, wherein the capabilities of the target device include color support (Kloba, col.24, l.10).
14. Regarding claim 9, Kloba further discloses the method of claim 1, wherein the capabilities of the target device include bit rate (Kloba, col.11, l.1).
15. Regarding claim 10, Kloba further discloses the method of claim 1, wherein the capabilities of the target device include currently-available communication medium that the target device employs to transmit its request (Kloba, col.8, l.11-14).
16. Regarding claim 11, Kloba further discloses the method of claim 10, wherein currently-available communication medium comprises wireless communication (Kloba, col.8, l.11-14).
17. Regarding claim 12, Kloba further discloses the method of claim 10, wherein currently-available communication medium comprises wireline communication (Kloba, col.8, l.11-14).
18. Regarding claim 13, Kloba further discloses the method of claim 1, wherein said step of determining capabilities of the target device includes examining the request submitted by the device (Kloba, col.5, l.14-17).
19. Regarding claim 14, Kloba further discloses the method of claim 1, wherein said step of determining capabilities of the target device includes examining the HTTP header submitted by the device (Kloba, col.5, l.14-25).

20. Regarding claim 15, Kloba further discloses the method of claim 14, wherein examining the HTTP header submitted by the device includes examining the HTTP User-Agent header (Kloba, col.21, l.49, by the definition of HTTP, it is obvious to implement the user-agent header.).
21. Regarding claim 16, Kloba further discloses the method of claim 1, wherein said step of determining capabilities of the target device includes querying the device for its capabilities (Kloba, col.15, l.48-49).
22. Regarding claim 17, Kloba further discloses the method of claim 1, wherein said step of determining capabilities of the target device includes determining capabilities from a knowledgebase, based on a device class for the target device (Kloba, col.5, l.4-6, col.14, l.60-63).
23. Regarding claim 18, Kloba further discloses the method of claim 17, further comprising: recording a log record of target devices that are not recognized to enable the capabilities of said devices to be added to the knowledgebase (Kloba, col.29, l.38-42).
24. Regarding claim 19, Kloba further discloses the method of claim 18, further comprising: automatically issuing notifications regarding said target devices that are not recognized (Kloba col.29, l.43-47).
25. Regarding claim 21, Kloba further discloses the method of claim 1, wherein said step of determining a format that is desired includes determining an appropriate color space for rendering a particular image at the target device (Kloba col.21, l.19-26).

26. Regarding claim 24, Kloba further discloses the method of claim 1, wherein said step of determining a format that is desired includes determining the appropriate bit rate for the target device (Kloba, col.11, l.1).
27. Regarding claim 28, Kloba further discloses the method of claim 1, wherein said target device includes a handheld computing device having display capability (Kloba, col.10, l.40-41).
28. Regarding claim 29, Kloba further discloses the method of claim 1, wherein said target device includes a handheld computing device having digital audio capability (Kloba, col.4, l.33, col. l.38, Table 2)
29. Regarding claim 30, Kloba further discloses the method of claim 1, wherein said target device includes a cellular phone device having display capability (Kloba, col.10, l.38).
30. Regarding claim 31, Kloba further discloses the method of claim 1, wherein said target device includes a cellular phone device having digital audio capability (Kloba, col.10, l.40-41).
31. Regarding claim 32, Kloba further discloses the method of claim 1, wherein said target device includes a pager device having display capability (Kloba, col.10, l.38).
32. Regarding claim 33, Kloba further discloses the method of claim 1, wherein said target device includes a personal computer having display capability (Kloba, col. 10, l.40).
33. Regarding claim 34, Kloba further discloses the method of claim 1, wherein said

target device includes a personal computer having digital audio capability (Kloba, col.10, l. 38, l.40-41).

34. Regarding claim 35, Kloba further discloses the method of claim 1, wherein said target device includes WAP (Wireless Application Protocol) support (Kloba, col.28, l.55-57).
35. Regarding claim 36, Kloba further discloses the method of claim 1, wherein said media objects include digital images (Kloba, col.15, l.32-33).
36. Regarding claim 37, Kloba further discloses the method of claim 1, wherein said digital objects include digital video (Kloba, col.4, l.13).
37. Regarding claim 38, Kloba further discloses the method of claim 1, wherein said digital objects include digital audio (Kloba, col.4, l.12).
38. Regarding claims 39-62, 64, 66, 69-76 have similar limitations as claims 1-19, 21, 24, 28-38. Therefore, claims 39-62, 64, 66, 69-76 are rejected for the same reasons set forth in the rejection of claim 1-19, 21, 24, 28-38.
39. Regarding claim 77, Kloba further discloses an online system, a method for determining the capabilities of client devices, the method comprising:
 - receiving an original request from a target device in which said target device does not include information regarding its capabilities (Kloba, col.29, l.40-42);
 - determining capabilities of the target device(Kloba, col.5, l.16-17);
 - supplementing said original request received from said target device with information about the capabilities of said target device

(Kloba, col.9, l.33-40) and

- forwarding said supplemented request to a destination specified in said original request (Kloba, col.9, l.41-47)

40. Regarding claim 78, Kloba further discloses the method of claim 77, wherein said step of determining capabilities of the target device includes examining the request submitted by the device (Kloba, col.5, l.14-17).
41. Regarding claim 79, Kloba further discloses the method of claim 77, wherein said step of determining capabilities of the target device includes examining the HTTP header submitted by the device (Kloba, col.5, l.15-16)..
42. Regarding claim 80, Kloba further discloses the method of claim 79, wherein examining the HTTP header submitted by the device includes examining the HTTP User-Agent header (Kloba, col.21, l.49, by the definition of HTTP, it is obvious to implement the user-agent header.)
43. Regarding claim 81, Kloba further discloses the method of claim 77, wherein said step of determining capabilities of the target device includes querying the device for its capabilities (Kloba, col.15, l.48-49).
44. Regarding claim 82, Kloba further discloses the method of claim 77, wherein said step of determining capabilities of the target device includes determining capabilities from a knowledgebase, based on a device class for the target device (Kloba, col.5, l.4-6, col.14, l.60-63).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

45. Claims 20, 22-23, 25-27, 63, 65, and 67-68 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kloba in view of Kirani et al., (PG Pub # 2002/0016818).
46. Regarding claims 20, 22-23, Kloba differs from the claimed invention in that it does not explicitly indicate the resolution, image size, and rotation of the particular image at the target device. However, Kirani clearly teaches the device capability determination includes determining the size, resolution of the object that the recipient's device can handle. (Kirani, [0066]). Furthermore, Kirani teaches the rotation of the image in a API function named Introtate for the object transformation (Kirani, [0106]). Combine with Kirani's objects resolution, image size, and rotation that will improve the user capability, and also increase the effectiveness.
47. Regarding claims 63, and 65 have similar limitations as claims 20, and 22. Therefore, claims 63, and 65 are rejected for the same reasons set forth in the rejection of claim 20, and 22.

Art Unit: 2142

48. Regarding claims 25-27, Kloba differs from the claimed invention in that it does not explicitly indicate the determination of communication bandwidth for transmitting a copy of the media object to the target device. However, Kiriani clearly teaches the built-in intelligence for filtering is according to the capabilities of a particular recipient's device type and Internet bandwidth (Kiriani, [0036], p.19, 38). Combine with Kiriani's communication bandwidth filtering that will improve the image objects resolution and performance.
49. Regarding claims 67, and 68 have similar limitations as claims 25, and 27. Therefore, claims 67, and 68 are rejected for the same reasons set forth in the rejection of claim 25, and 27.
50. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine Kloba's synchronizing content between a server and a client and Kiriani's Optimizing delivery of image objects.

Conclusion

The prior art made of record and not relied upon is considered pertinent to application's disclosure.

- Guheen et al., (Patent No. 6473794) System For Establishing Plan to Test Components Of Web Based Framework By Displaying Pictorial Representation And Conveying Indicia Coded Components Of Existing Network Framework.
- Kloba et al., (Patent No. 6779042) System Method, and Computer Program Product For Enabling On-Device Servers, Offline Forms, And Dynamic AD Tracking On Mobile Devices.
- Chu H., (PG Pub No. 2002/0116531) Applying Anonymous Personalization To Web-Based Customer Interactions.
- NPL – Joshi et al., On Disconnected Browsing of Distributed Information, Seventh International Workshop on Research Issues in Data Engineering, 1997 Proceedings, Birmingham, UK, Apr. 7-8, 1997, IEEE Compu. Soc., Los Alamitos, CA, pp.101-107.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kelvin Lin whose telephone number is 703-605-1726.

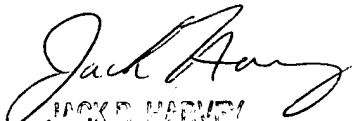
The examiner can normally be reached on Flexible 4/9/5.

Art Unit: 2142

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Harvey can be reached on 703-305-9705. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kyl
1/27/05


JACK D. HARVEY
SUPERVISOR/PATENT EXAMINER